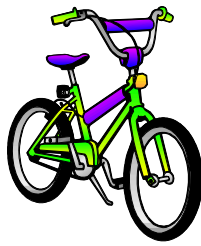


# Pedalcycles in Motor Vehicle Crashes



Out of 64,485 total crashes, one or more pedalcycles were involved in:

508 crashes (all types)  
6 fatal crashes  
502 injury crashes  
0 property damage crashes

6 riders were killed, or 01.22% of all fatalities  
520 riders were injured, or 01.41% of all injuries

## Injury Severity of All Persons Involved

Severity of Injury	Fatalities & Injuries			
	Pedalcycles		All Others	
	Number	Percent	Number	Percent
Fatal	6	100.00%	0	0.00%
Major	72	98.63%	1	1.37%
Minor	288	96.97%	9	3.03%
Possible	160	95.24%	8	4.76%
Unknown	0	0.00%	0	0.00%
Total	526	96.69%	18	3.31%

This chart compares injury severity of pedalcyclists with all other fatalities and injuries (i.e., occupants of other vehicles, pedestrians) in crashes that involved pedalcycles.

## Fatalities & Injuries by Protective Device

Protective Device Used by Pedalcyclists	Fatalities & Injuries			
	Killed		Injured	
	Number	Percent	Number	Percent
None	5	83.33%	362	69.62%
Lap Belt	0	0.00%	0	0.00%
Lap & Shoulder Belt	0	0.00%	0	0.00%
Airbag Deployed	0	0.00%	0	0.00%
Child Restraint	0	0.00%	0	0.00%
Helmet	0	0.00%	6	1.15%
Passive Belt	0	0.00%	23	4.42%
Other	0	0.00%	0	0.00%
Unknown	1	16.67%	129	24.81%
Total	6	100.00%	520	100.00%

## Fatalities & Injuries by Gender

Gender of Killed & Injured	Fatalities & Injuries			
	Killed		Injured	
	Number	Percent	Number	Percent
Female	1	16.67%	128	24.62%
Male	5	83.33%	372	71.54%
Unknown	0	0.00%	20	3.85%
Total	6	100.00%	520	100.00%

## Fatalities & Injuries by Age Group

Age Group of Killed & Injured	Fatalities & Injuries			
	Killed		Injured	
	Number	Percent	Number	Percent
<b>Under Age 21</b>				
14 & Under	2	33.33%	284	54.62%
15	0	0.00%	19	3.65%
16	0	0.00%	13	2.50%
17	1	16.67%	13	2.50%
18	0	0.00%	5	0.96%
19	0	0.00%	7	1.35%
20	0	0.00%	11	2.12%
Total	3	50.00%	352	67.69%
<b>All Ages</b>				
14 & Under	2	33.33%	284	54.62%
15 to 24	2	33.33%	87	16.73%
25 to 34	0	0.00%	31	5.96%
35 to 44	1	16.67%	45	8.65%
45 to 54	1	16.67%	18	3.46%
55 to 64	0	0.00%	7	1.35%
65 to 74	0	0.00%	2	0.38%
75 & Over	0	0.00%	3	0.58%
Unknown	0	0.00%	43	8.27%
Total	6	100.00%	520	100.00%

Under age 21 percentages based on total for all ages.

## Fatalities & Injuries by Position

Position of Pedalcyclists	Fatalities & Injuries			
	Killed		Injured	
	Number	Percent	Number	Percent
Driver	0	0.00%	0	0.00%
Front Seat Passenger	0	0.00%	0	0.00%
Back Seat Passenger	0	0.00%	0	0.00%
Third+ Seat Passenger	0	0.00%	0	0.00%
Bus Passenger	0	0.00%	0	0.00%
Riding on Exterior	0	0.00%	0	0.00%
MC/Moped Driver	0	0.00%	0	0.00%
MC/Moped Passenger	0	0.00%	0	0.00%
Pedalcyclist	6	100.00%	520	100.00%
Other	0	0.00%	0	0.00%
Unknown	0	0.00%	0	0.00%
Total	6	100.00%	520	100.00%

## Fatalities & Injuries by Area of Injury

Area of Injury of Pedalcyclists	Fatalities & Injuries			
	Killed		Injured	
	Number	Percent	Number	Percent
Upper Torso	0	0.00%	37	7.12%
Lower Torso	0	0.00%	18	3.46%
Internal	0	0.00%	6	1.15%
Head	2	33.33%	52	10.00%
Arms	0	0.00%	35	6.73%
Legs	0	0.00%	110	21.15%
Multiple	2	33.33%	208	40.00%
Other/Unknown	2	33.33%	54	10.38%
Total	6	100.00%	520	100.00%

# Pedalcycles in Motor Vehicle Crashes

## Pedalcyclists by Gender

Gender of Pedalcyclists	Pedalcyclists			
	Fatal Crashes		Injury Crashes	
	Number	Percent	Number	Percent
Female	1	16.67%	128	24.62%
Male	5	83.33%	372	71.54%
Unknown	0	0.00%	20	3.85%
Total	6	100.00%	520	100.00%

## Pedalcyclists by Age Group

Age Group of Pedalcyclists	Pedalcyclists			
	Fatal Crashes		Injury Crashes	
	Number	Percent	Number	Percent
<b>Under Age 21</b>				
14 & Under	2	33.33%	284	54.62%
15	0	0.00%	19	3.65%
16	0	0.00%	13	2.50%
17	1	16.67%	13	2.50%
18	0	0.00%	5	0.96%
19	0	0.00%	7	1.35%
20	0	0.00%	11	2.12%
Total	3	50.00%	352	67.69%
<b>All Ages</b>				
14 & Under	2	33.33%	284	54.62%
15 to 24	2	33.33%	87	16.73%
25 to 34	0	0.00%	31	5.96%
35 to 44	1	16.67%	45	8.65%
45 to 54	1	16.67%	18	3.46%
55 to 64	0	0.00%	7	1.35%
65 to 74	0	0.00%	2	0.38%
75 & Over	0	0.00%	3	0.58%
Unknown	0	0.00%	43	8.27%
Total	6	100.00%	520	100.00%

Under age 21 percentages based on total for all ages.

## Pedalcyclist's Action

Pedalcycle Action	Pedalcyclists			
	Fatal Crashes		Injury Crashes	
	Number	Percent	Number	Percent
Going Straight	4	66.67%	242	46.54%
Turning Left	1	16.67%	19	3.65%
Turning Right	0	0.00%	12	2.31%
Making U-Turn	0	0.00%	3	0.58%
Passing	0	0.00%	0	0.00%
Changing Lanes	0	0.00%	3	0.58%
Merging	0	0.00%	0	0.00%
Parking	0	0.00%	0	0.00%
Slowing/Stopping	0	0.00%	2	0.38%
Backing	0	0.00%	0	0.00%
Stopped for Sign/Signal	0	0.00%	2	0.38%
Stopped in Traffic	0	0.00%	0	0.00%
Stalled in Traffic	0	0.00%	0	0.00%
Properly Parked	0	0.00%	0	0.00%
Improperly Parked	0	0.00%	0	0.00%
Unattended Moving Vehicle	0	0.00%	0	0.00%
Other	1	16.67%	17	3.27%
Unknown	0	0.00%	220	42.31%
Total	6	100.00%	520	100.00%

## Pedalcyclists by Condition

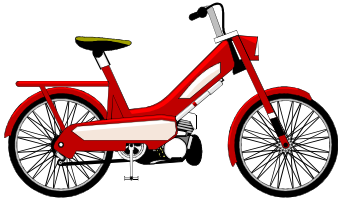
Condition of Pedalcyclists	Pedalcyclists			
	Fatal Crashes		Injury Crashes	
	Number	Percent	Number	Percent
Apparently Normal	5	83.33%	253	48.65%
Physical Defect	0	0.00%	1	0.19%
Fatigued	0	0.00%	0	0.00%
Apparently Asleep	0	0.00%	0	0.00%
Illness	0	0.00%	0	0.00%
Under Medication	0	0.00%	0	0.00%
Infirmities of Age	0	0.00%	0	0.00%
Drinking-Not Impaired	1	16.67%	3	0.58%
Drinking-Impaired	0	0.00%	4	0.77%
Drugs	0	0.00%	0	0.00%
Other	0	0.00%	5	0.96%
Unknown	0	0.00%	254	48.85%
Total	6	100.00%	520	100.00%

## Pedalcyclist's Contributing Circumstances

Contributing Circumstances	Pedalcycles			
	Fatal Crashes		Injury Crashes	
	Number	Percent	Number	Percent
None Apparent	1	16.67%	93	16.55%
Ran Traffic signal	0	0.00%	10	1.78%
Ran Stop Sign	0	0.00%	20	3.56%
Passed Stopped School Bus	0	0.00%	0	0.00%
Improper Passing	1	16.67%	3	0.53%
Left of Center, Not Passing	0	0.00%	1	0.18%
FTYROW at Intersection	0	0.00%	7	1.25%
FTYROW From Stop Sign	1	16.67%	14	2.49%
FTYROW From Yield Sign	0	0.00%	1	0.18%
FTYROW Making Left Turn	0	0.00%	5	0.89%
FTYROW From Driveway	0	0.00%	6	1.07%
FTYROW From Parked	0	0.00%	1	0.18%
FTYROW to Pedestrian	0	0.00%	0	0.00%
FTYROW Other	0	0.00%	19	3.38%
Wrong Way/One-Way	0	0.00%	4	0.71%
Too Fast for Conditions	0	0.00%	3	0.53%
Exceeding Speed Limit	0	0.00%	1	0.18%
Drag Racing	0	0.00%	0	0.00%
Improper Turn	0	0.00%	2	0.36%
Improper Lane Change	0	0.00%	0	0.00%
Following Too Close	0	0.00%	0	0.00%
No/Improper Signal	0	0.00%	0	0.00%
Disregarded Railroad Signal	0	0.00%	0	0.00%
Disregarded Warning Signal	0	0.00%	1	0.18%
Reckless Driving	0	0.00%	2	0.36%
Improper Backing	0	0.00%	0	0.00%
Illegal/Improper Parking	0	0.00%	0	0.00%
Failure to Control Vehicle	0	0.00%	3	0.53%
Headlights Not On	0	0.00%	3	0.53%
Inattentive/Distracted	0	0.00%	25	4.45%
Confused	0	0.00%	1	0.18%
Vision Obscured	0	0.00%	19	3.38%
Oversized/Loaded Vehicle	0	0.00%	2	0.36%
Inexperienced Driver	0	0.00%	15	2.67%
Other	2	33.33%	34	6.05%
Unknown	1	16.67%	267	47.51%
Total	6	100.00%	562	100.00%

Up to two circumstances may be listed for each driver/vehicle involved in a crash.  
FTYROW—Failed to Yield Right-of-way.

# Mopeds & All Terrain Vehicles



Out of 64,485 total crashes, one or more mopeds or all terrain vehicles were involved in:

- 137 crashes (all types)
- 3 fatal crashes
- 110 injury crashes
- 24 property damage crashes

- 3 riders were killed, or 00.61% of all fatalities
- 115 riders were injured, or 00.31% of all injuries

## Injury Severity of All Persons Involved

Severity of Injury	Fatalities & Injuries			
	Mopeds		All Others	
	Number	Percent	Number	Percent
Fatal	3	100.00%	0	0.00%
Major	40	97.56%	1	2.44%
Minor	63	94.03%	4	5.97%
Possible	12	66.67%	6	33.33%
Unknown	0	0.00%	0	0.00%
Total	118	91.47%	11	8.53%

This chart compares injury severity of moped and all terrain vehicle riders with all other fatalities and injuries (i.e., occupants of other vehicles, pedestrians) in crashes that involved mopeds and all terrain vehicles.

## Fatalities & Injuries by Protective Device

Protective Device	Fatalities & Injuries			
	Killed		Injured	
	Number	Percent	Number	Percent
None	3	100.00%	88	76.52%
Lap Belt	0	0.00%	1	0.87%
Lap & Shoulder Belt	0	0.00%	7	6.09%
Airbag Deployed	0	0.00%	0	0.00%
Child Restraint	0	0.00%	0	0.00%
Helmet	0	0.00%	6	5.22%
Passive Belt	0	0.00%	0	0.00%
Other	0	0.00%	1	0.87%
Unknown	0	0.00%	12	10.43%
Total	3	100.00%	115	100.00%

## Fatalities & Injuries by Gender

Gender of Killed & Injured	Fatalities & Injuries			
	Killed		Injured	
	Number	Percent	Number	Percent
Female	1	33.33%	24	20.87%
Male	2	66.67%	91	79.13%
Unknown	0	0.00%	0	0.00%
Total	3	100.00%	115	100.00%

## Fatalities & Injuries by Age Group

Age Group of Killed & Injured	Fatalities & Injuries			
	Killed		Injured	
	Number	Percent	Number	Percent
<b>Under Age 21</b>				
14 & Under	0	0.00%	43	37.39%
15	0	0.00%	15	13.04%
16	0	0.00%	9	7.83%
17	0	0.00%	2	1.74%
18	0	0.00%	3	2.61%
19	0	0.00%	6	5.22%
20	0	0.00%	4	3.48%
Total Under 21*	0	0.00%	82	71.30%
<b>All Ages</b>				
14 & Under	0	0.00%	43	37.39%
15 to 24	1	33.33%	47	40.87%
25 to 34	0	0.00%	8	6.96%
35 to 44	0	0.00%	5	4.35%
45 to 54	1	33.33%	4	3.48%
55 to 64	0	0.00%	2	1.74%
65 to 74	0	0.00%	0	0.00%
75 & Over	1	33.33%	4	3.48%
Unknown	0	0.00%	2	1.74%
Total	3	100.00%	115	100.00%

Under age 21 percentages based on total for all ages.

## Fatalities & Injuries by Position

Position in Vehicle	Fatalities & Injuries			
	Killed		Injured	
	Number	Percent	Number	Percent
Driver	2	66.67%	41	35.65%
Front Seat Passenger	0	0.00%	0	0.00%
Back Seat Passenger	0	0.00%	0	0.00%
Third+ Seat Passenger	0	0.00%	0	0.00%
Bus Passenger	0	0.00%	0	0.00%
Riding on Exterior	0	0.00%	0	0.00%
MC/Moped Driver	0	0.00%	60	52.17%
MC/Moped Passenger	0	0.00%	5	4.35%
Pedalcyclist	0	0.00%	0	0.00%
Other	0	0.00%	0	0.00%
Unknown	1	33.33%	9	7.83%
Total	3	100.00%	115	100.00%

## Fatalities & Injuries by Area of Injury

Area of Injury	Fatalities & Injuries			
	Killed		Injured	
	Number	Percent	Number	Percent
Upper Torso	0	0.00%	8	6.96%
Lower Torso	0	0.00%	2	1.74%
Internal	0	0.00%	2	1.74%
Head	1	33.33%	16	13.91%
Arms	0	0.00%	7	6.09%
Legs	0	0.00%	16	13.91%
Multiple	2	66.67%	56	48.70%
Other/Unknown	0	0.00%	8	6.96%
Total	3	100.00%	115	100.00%

# Mopeds & All Terrain Vehicles

## Drivers by Gender

Gender of Driver	Drivers in Crashes			
	Fatal		Injury/Property	
	Number	Percent	Number	Percent
Female	2	66.67%	24	17.39%
Male	1	33.33%	111	80.43%
Unknown	0	0.00%	3	2.17%
Total	3	100.00%	138	100.00%

## Drivers by Age Group

Age Group of Driver	Drivers in Crashes			
	Fatal		Injury/Property	
	Number	Percent	Number	Percent
<b>Under Age 21</b>				
14 & Under	0	0.00%	46	33.33%
15	0	0.00%	14	10.14%
16	0	0.00%	6	4.35%
17	0	0.00%	5	3.62%
18	0	0.00%	7	5.07%
19	0	0.00%	5	3.62%
20	0	0.00%	2	1.45%
Total Under 21*	0	0.00%	85	61.59%
<b>All Ages</b>				
14 & Under	0	0.00%	46	33.33%
15 to 24	1	33.33%	48	34.78%
25 to 34	0	0.00%	15	10.87%
35 to 44	1	33.33%	12	8.70%
45 to 54	0	0.00%	7	5.07%
55 to 64	0	0.00%	2	1.45%
65 to 74	0	0.00%	0	0.00%
75 & Over	1	33.33%	2	1.45%
Unknown	0	0.00%	6	4.35%
Total	3	100.00%	138	100.00%

Under age 21 percentages based on total for all ages.

## Vehicle Action

Vehicle Action	Vehicles in Crashes			
	Fatal		Injury/Property	
	Number	Percent	Number	Percent
Going Straight	3	100.00%	102	73.38%
Turning Left	0	0.00%	5	3.60%
Turning Right	0	0.00%	4	2.88%
Making U-Turn	0	0.00%	3	2.16%
Passing	0	0.00%	1	0.72%
Changing Lanes	0	0.00%	0	0.00%
Merging	0	0.00%	1	0.72%
Parking	0	0.00%	0	0.00%
Slowing/Stopping	0	0.00%	3	2.16%
Backing	0	0.00%	5	3.60%
Stopped for Sign/Signal	0	0.00%	0	0.00%
Stopped in Traffic	0	0.00%	3	2.16%
Stalled in Traffic	0	0.00%	0	0.00%
Properly Parked	0	0.00%	1	0.72%
Improperly Parked	0	0.00%	0	0.00%
Unattended Moving Vehicle	0	0.00%	0	0.00%
Other	0	0.00%	10	7.19%
Unknown	0	0.00%	1	0.72%
Total	3	100.00%	139	100.00%

## Drivers by Condition

Driver Condition	Drivers in Crashes			
	Fatal		Injury/Property	
	Number	Percent	Number	Percent
Apparently Normal	1	33.33%	106	76.81%
Physical Defect	0	0.00%	0	0.00%
Fatigued	0	0.00%	0	0.00%
Apparently Asleep	0	0.00%	0	0.00%
Illness	0	0.00%	0	0.00%
Under Medication	0	0.00%	0	0.00%
Infirmities of Age	1	33.33%	0	0.00%
Drinking-Not Impaired	0	0.00%	1	0.72%
Drinking-Impaired	1	33.33%	4	2.90%
Drugs	0	0.00%	0	0.00%
Other	0	0.00%	1	0.72%
Unknown	0	0.00%	26	18.84%
Total	3	100.00%	138	100.00%

## Driver/Vehicle-Related Circumstances

Contributing Circumstances	Moped Drivers			
	Fatal		Injury/Property	
	Number	Percent	Number	Percent
None Apparent	1	25.00%	40	23.26%
Ran Traffic Signal	0	0.00%	1	0.58%
Ran Stop Sign	0	0.00%	3	1.74%
Passed Stopped School Bus	0	0.00%	0	0.00%
Improper Passing	0	0.00%	0	0.00%
Left of Center, Not Passing	0	0.00%	1	0.58%
FTYROW at Intersection	0	0.00%	2	1.16%
FTYROW from Stop Sign	0	0.00%	1	0.58%
FTYROW from Yield Sign	0	0.00%	0	0.00%
FTYROW Making Left Turn	0	0.00%	0	0.00%
FTYROW from Driveway	0	0.00%	3	1.74%
FTYROW from Parked	0	0.00%	0	0.00%
FTYROW to Pedestrian	0	0.00%	1	0.58%
FTYROW Other	0	0.00%	2	1.16%
Wrong Way/One-Way	0	0.00%	0	0.00%
Too Fast for Conditions	1	25.00%	5	2.91%
Exceeding Speed Limit	0	0.00%	0	0.00%
Drag Racing	0	0.00%	0	0.00%
Improper Turn	1	25.00%	1	0.58%
Improper Lane Change	0	0.00%	0	0.00%
Following Too Close	0	0.00%	1	0.58%
No/Improper Signal	0	0.00%	0	0.00%
Disregarded Railroad Signal	0	0.00%	0	0.00%
Disregarded Warning Signal	0	0.00%	0	0.00%
Reckless Driving	0	0.00%	3	1.74%
Improper Backing	0	0.00%	1	0.58%
Illegal/Improper Parking	0	0.00%	0	0.00%
Failure to Control Vehicle	1	25.00%	30	17.44%
Headlights Not On	0	0.00%	1	0.58%
Inattentive/Distracted	0	0.00%	13	7.56%
Confused	0	0.00%	1	0.58%
Vision Obscured	0	0.00%	3	1.74%
Oversized/Loaded Vehicle	0	0.00%	3	1.74%
Inexperienced Driver	0	0.00%	15	8.72%
Other	0	0.00%	16	9.30%
Unknown	0	0.00%	25	14.53%
Total	4	100.00%	172	100.00%

Up to two circumstances may be listed for each driver/vehicle involved in a crash.  
FTYROW—Failed to Yield Right-of-way.